

869,660

## WEST Search History

DATE: Friday, November 15, 2002

Set Name Query

side by side

Hit Count Set Name

result set

*DB=JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ*

L10 (((polyphenylene adj (oxide or ether)) or  
polyphenyleneether or polyphenyleneoxide or (poly adj  
(phenylene adj (ether or oxide)) or phenyleneether or  
phenyleneoxide))) or ((poly adj3 dimethyl adj3  
((phenylene adj (ether or oxide)) jor phenyleneether or  
phenyleneoxide)) or PPE or PPO)) and (Fries or  
rearrangement)

3 L10

*DB=USPT,PGPB; PLUR=YES; OP=ADJ*

L9 18 near7 (Fries or rearrangement)

8 L9

L8 (((polyphenylene adj (oxide or ether)) or  
polyphenyleneether or polyphenyleneoxide or (poly adj  
(phenylene adj (ether or oxide)) or phenyleneether or  
phenyleneoxide))) or ((poly adj3 dimethyl adj3  
((phenylene adj (ether or oxide)) jor phenyleneether or  
phenyleneoxide)) or PPE or PPO)

13866 L8

*DB=DWPI; PLUR=YES; OP=ADJ*

L7 (poly adj3 dimethyl adj3 ((phenylene adj (ether or  
oxide)) jor phenyleneether or phenyleneoxide)) or PPE  
or PPO

1138 L7

L6 (polyphenylene adj (oxide or ether)) or  
polyphenyleneether or polyphenyleneoxide or (poly adj  
(phenylene adj (ether or oxide)) or phenyleneether or  
phenyleneoxide))

6924 L6

L5 1991jp-03052486.ap,prai.

0 L5

L4 1988jp-63054425.ap,prai.

0 L4

L3 1998jp-10297774.ap,prai.

0 L3

L2 jp-10297874-\$.did.

1 L2

L1 jp-03052486-\$.did.

1 L1

jp-63054425-\$.did. searched (spec. p.2, last line)

END OF SEARCH HISTORY

869,660

(FILE 'HOME' ENTERED AT 11:47:23 ON 15 NOV 2002)

FILE 'REGISTRY' ENTERED AT 11:49:27 ON 15 NOV 2002

L1 9 S POLY(3W)DIMETHYL(3W)PHENYLENE(W)ETHER

FILE 'CAPLUS' ENTERED AT 11:51:51 ON 15 NOV 2002

L2 3523 S POLY(W)((PHENYLENE(W)(ETHER# OR OXIDE#)) OR PHENYLENEETHER#

O

L3 3865 S (POLYPHENYLENE(W)(ETHER# OR OXIDE#)) OR POLYPHENYLENEETHER#

O

L4 12359 S L2 OR L3 OR PPO OR PPE OR 24938-67-8#/RN

L5 55 S L4 AND (REARRANGEMENT# OR FRIES)

FILE 'STNGUIDE' ENTERED AT 11:54:18 ON 15 NOV 2002

FILE 'CAPLUS' ENTERED AT 11:54:37 ON 15 NOV 2002

FILE 'STNGUIDE' ENTERED AT 11:55:07 ON 15 NOV 2002

FILE 'CAPLUS' ENTERED AT 12:06:34 ON 15 NOV 2002

L6 12067 S POLYOXYPHENYLENE#

L7 16873 S L4 OR L6

L8 51166 S (108-31-6# OR 110-16-7# OR 110-17-8# OR 636-61-3# OR

617-48-1

L9 983 S L7 AND L8

L10 497 S L7(7A)L8

L11 379 S L7(5A)(REACT#### OR MODIF!?) AND L8(5A)(REACT#### OR

MODIF!?)

RN 24938-67-8 REGISTRY  
 CN Poly[oxy(2,6-dimethyl-1,4-phenylene)] (9CI) (CA INDEX NAME)  
 OTHER NAMES:  
 CN 2,6-Dimethyl-1,4-phenylene ether polymer, SRU  
 CN 2,6-Dimethyl-1,4-phenylene oxide homopolymer, sru  
 CN 2,6-Dimethyl-1,4-phenylene oxide polymer, SRU  
 CN 2,6-Dimethyl-p-phenylene ether polymer  
 CN 2,6-Dimethyl-p-phenylene oxide polymer  
 CN 2,6-Dimethylphenol polymer SRU  
 CN 2,6-Xylenol homopolymer, SRU  
 CN 2,6-Xylenol polymer, SRU  
 CN 3,5-Xylenol polymer, SRU  
 CN 4-Bromo-2,6-dimethylphenol homopolymer, SRU  
 CN Arylox 100  
 CN Baipen 100  
 CN BHPP 820  
 CN Blendex 820  
 CN Blendex BHPP 820  
 CN Blendex HPP 820  
 CN Blendex HPP 821  
 CN Blendex HPP 823  
 CN CPX 100L  
 CN GE 800  
 CN GE 803  
 CN GE 820  
 CN H 30  
 CN H 41  
 CN H 41 (polyether)  
 CN H 46  
 CN H 51  
 CN HPP 820  
 CN HPX 100L  
 CN Iupiac CPX 100L  
 CN Iupiac HPX 100L  
 CN Iupiac YPX 100L  
 CN N 640  
 CN N 640 (polyether)  
 CN Nerafen  
 CN Noryl 534  
 CN Noryl 630  
 CN Noryl 640  
 CN Noryl 69  
 CN Noryl 696  
 CN Noryl 800  
 CN Noryl PKN 4752  
 CN Noryl PPO 534  
 CN Noryl PX 9701  
 CN P 101L  
 CN P 401  
 CN P 401 (polyether)  
 CN PKN 4752  
 CN PM 2  
 CN PM 2 (polyether)  
 CN **Poly(2,6-dimethyl-1,4-phenylene ether)**  
 CN **Poly(2,6-dimethyl-1,4-phenylene ether), SRU**  
 CN **Poly(2,6-dimethyl-p-phenylene ether)**  
 ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for  
 DISPLAY

DR 127005-27-0, 58967-97-8, 131009-87-5, 135152-95-3, 135621-69-1,  
 113284-96-1, 114100-49-1, 135843-73-1, 137012-23-8, 70800-17-8,  
 147602-06-0, 152443-85-1, 110341-42-9, 160477-60-1, 179157-85-8,  
 186777-52-6, 219600-78-9

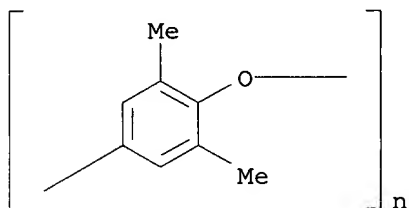
MF (C8 H8 O)n

CI PMS, COM

PCT Polyether

LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, CA, CANCERLIT, CAPLUS,  
 CASREACT, CEN, CHEMCATS, CIN, IFICDB, IFIPAT, IFIUDB, MEDLINE, PIRA,  
 PROMT, RTECS\*, TOXCENTER, USPAT2, USPATFULL, VTB  
 (\*File contains numerically searchable property data)

\*\*RELATED POLYMERS AVAILABLE WITH POLYLINK\*\*



6080 REFERENCES IN FILE CA (1962 TO DATE)  
 937 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 6078 REFERENCES IN FILE CAPLUS (1962 TO DATE)

**WEST****End of Result Set**

Generate Collection

Print

1999-290802  
1998-297874

L1: Entry 1 of 1

File: DWPI

Jun 10, 2002

DERWENT-ACC-NO: 2000-596228  
DERWENT-WEEK: 200241  
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non-claimed  
priority

TITLE: Functionalized polyphenylene ether production by reaction of polyphenylene ether and functionalising compound including carbon double or triple bond at e.g. room temperature

## PATENT-ASSIGNEE:

ASSIGNEE

ASAHI KASEI KOGYO KK

CODE

ASAHI

PRIORITY-DATA: 1998JP-0297874 (October 20, 1998)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 3289715 B2	June 10, 2002		009	C08G065/48
JP 2000191769 A	<u>July 11, 2000</u>		010	C08G065/48

## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 3289715B2	October 13, 1999	<u>1999JP-0290802</u>	
JP 3289715B2		JP2000191769	Previous Publ.
JP2000191769A	October 13, 1999	1999JP-0290802	

INT-CL (IPC): C08 G 65/48

ABSTRACTED-PUB-NO: JP2000191769A

## BASIC-ABSTRACT:

NOVELTY - Functionalized polyphenylene ether production by reaction of polyphenylene ether and functionalising compound including carbon double or triple bond at e.g. room temperature

DETAILED DESCRIPTION - Production of functionalized polyphenylene ether comprises reacting 100 pts.wt. of polyphenylene ether and 0.01-10.0 pts.wt. of a functionalizing compound having at least one carbon-carbon double bond or triple bond, and at least one carboxyl group, acyloxy group, imino group, imide group, hydroxyl group or glycidyl group at a temperature between a room temperature and the melting temperature of the polyphenylene ether.

The polyphenylene ether has a structural unit of formula (1).

R1,R4 = hydrogen, halogen, primary or secondary lower alkyl, phenyl, haloalkyl, aminoalkyl, hydrocarbonoxy, or halohydrocarbonoxy (provided that at least two carbon atoms are between the halogen atom and the oxygen atom); and

R2,R3 = hydrogen, halogen, primary or secondary lower alkyl, phenyl, haloalkyl, hydrocarbonoxy, or halohydrocarbonoxy